


Construction of a solar power plant

Project description	
Project initiator	Bakhmut City Council
The essence of the project	The project involves construction of a solar power plant on a plot of land at the address: Sviato-Heorhiivska street Bakhmut city According to the initial simulation, the power plant capacity, taking into account solar insolation, will be 13 MW. The generated electricity is planned to be sold using the "green tariff" mechanism.
Project goal	Ensuring energy security and transition to energy efficient use and consumption of energy resources with the introduction of innovative technologies
Compliance with strategic documents and assignation of priorities	<p>The project goals correspond to:</p> <ul style="list-style-type: none"> - Sustainable Development Goals of Ukraine for the period up to 2030 (paragraph 2), approved by decree of the president of Ukraine "on Sustainable Development Goals of Ukraine for the period up to 2030" dated September 30, 2019 No. 722/2019. - Energy strategy of Ukraine for the period up to 2035 "safety, energy efficiency, competitiveness". - Task 4.3.2. "Alternative energy development" operational goal 4.3. "Sustainable waste and hazardous chemicals management "of Strategic Goal 4" environmental safety and balanced environmental management " of the Donetsk Region Development Strategy for the period up to 2027. - Operational goal B.1.6. "Introduction of alternative energy" strategic goal B.1. "Energy efficient policy and infrastructure" of the Bakhmut city territorial community strategy for the period up to 2027.
Study of the problem that will be solved as part of the project implementation	The implementation of the project makes it possible to solve a number of problems related to the growing cost of energy, environmental pollution, and the constant increase in tariffs for housing and communal services.
The estimated cost of the project amounts to	200 700,0 thousand UAH.
Project Implementation Arrangement	Implementation of the project with the involvement of funds from domestic or foreign investors
Key financial indicators of the project implementation	IRR, NPV were not calculated Payback period-3 years
Project implementation term	12 months
Indicative funding sources to finance the project	Private investment, possibly on the terms of a public-private partnership. Energо-industry LLC has financed the allocation of a land plot, signed a lease agreement, and developed a feasibility study.

Project Implementation Arrangement	feasibility study
Interested parties and expected result of the project implementation	<p>Bakhmut City Council - receiving additional revenues to the territorial community budget, creating new jobs, and reducing harmful emissions into the environment.</p> <p>Energo-industry LLC - making a profit, expanding opportunities for financing other projects using alternative energy sources, reducing the share of primary energy resources in the country's fuel and energy balance.</p> <p>Companies specializing in the design and installation of renewable energy facilities – making a profit, expanding opportunities during the implementation of new projects.</p>
Characteristics of an object (existing or newly created)	
Location of the object	Donetsk region, Bakhmut city, Sviato-Heorhiivska street
Description of existing objects or those that are proposed to be created as part of the project implementation	<p>Building-free territory</p> <p>It is proposed to create a network station, install equipment (photomodules, inverters, fasteners, etc.), and start and adjust the station.</p>
Form of property	Communal and private property
Related infrastructure	Available: access to railway and automobile transport infrastructure ~0.5 km; to power grids and water supply networks ~0.5-0.7 km.
Land area, hectare	20,0772 hectare
Land plot status	<p>Plot on Sviato-Heorhiivska street, 2b with an area of 20.0772 ha is leased to Energo industry LLC</p> <p>Intended use: industrial land</p> 
Levelling of land	<p>By the decision of the Bakhmut City Council of 20.12.2017 No. 6/108-2067, the "General Plan of the city of Bakhmut" was approved</p> <p>By the decision of the Bakhmut City Council of 26.02.2020 No. 6/140-293, the "zoning plan for the territory of the city of Bakhmut" was approved</p>

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